

TABLE 124. Federal obligations for applied research, by agency: FYs 2004–14
(Dollars in millions)

Agency	2004	2005	2006	2007	2008	2009	2010	2011	2012	Preliminary	
										2013	2014
All agencies	27,237.1	26,597.9	26,951.1	27,227.8	26,739.7	30,812.5	31,932.6	28,710.1	30,988.0	30,425.6	31,658.2
Departments											
Department of Agriculture	998.9	1,049.2	1,084.7	1,130.2	1,136.1	1,145.3	1,158.8	1,162.0	1,114.3	1,247.6	1,232.3
Agricultural Marketing Service	7.9	7.7	6.3	6.4	2.5	2.1	2.2	2.1	2.1	2.5	4.3
Agricultural Research Service	450.2	454.2	465.3	468.2	460.3	456.5	471.3	453.2	435.9	440.5	449.6
Economic Research Service	63.7	66.6	67.5	83.4	73.4	70.9	84.5	73.5	70.2	65.4	71.5
Foreign Agricultural Service	1.2	1.1	0.6	0.4	0.3	0.3	0.3	0.4	0.5	0.5	0.5
Forest Service	133.2	133.2	138.2	191.9	173.0	192.2	184.3	192.0	187.2	180.6	180.6
Grain Inspection, Packers, and Stockyards Administration	0.0	6.7	7.1	0.0	0.0	0.0	0.0	0.0	6.7	6.2	5.8
National Agricultural Statistics Service	4.3	4.3	4.6	4.8	4.3	4.2	4.2	4.1	3.9	4.0	4.0
National Institute of Food and Agriculture ^a	334.5	371.7	390.9	354.1	418.1	414.9	407.2	435.0	403.2	544.3	512.4
Rural Business-Cooperative Service	3.8	3.6	4.1	21.0	4.2	4.1	4.8	1.7	4.5	3.6	3.6
Department of Commerce	840.0	830.5	767.3	825.7	853.1	820.8	932.8	775.4	814.3	872.0	1,271.3
Economic Development Administration	0.2	0.5	0.2	0.8	1.3	1.3	1.3	0.2	NA	NA	NA
National Institute of Standards and Technology	312.6	298.6	282.6	312.4	296.8	342.6	456.5	307.9	333.3	343.5	530.5
National Oceanic and Atmospheric Administration	519.9	520.3	471.8	500.1	542.7	463.8	458.0	448.8	396.1	427.8	503.9
National Telecommunications and Information Administration	6.3	6.9	6.7	7.0	7.0	6.9	7.6	7.8	7.6	5.2	5.4
U.S. Census Bureau	0.9	4.2	6.0	5.3	5.3	6.2	9.4	10.8	77.3	95.5	231.4
Department of Defense	4,281.7	4,532.0	4,447.7	4,866.8	4,964.4	5,061.7	5,212.0	4,710.3	4,626.7	4,059.0	4,551.4
Defense Advanced Research Projects Agency ^b	NA	1,129.8	1,151.3	1,236.6	1,202.0						
Defense agencies and activities ^b	1,685.5	1,594.6	1,580.2	1,630.8	1,719.5	1,863.9	2,028.8	na	na	na	na
Department of the Air Force	891.3	876.8	1,000.5	1,117.9	1,191.9	1,172.0	1,202.6	1,203.2	1,223.2	558.8	1,118.8
Department of the Army	1,028.8	1,303.4	1,103.8	1,336.7	1,239.0	1,235.8	1,260.8	1,063.4	915.0	953.4	898.8
Department of the Navy	676.1	757.3	763.3	781.4	814.0	789.9	719.7	748.4	826.1	782.0	831.4
Other defense agencies ^{b, c}	NA	565.5	511.1	528.1	500.4						
Department of Education	201.9	204.4	213.0	207.4	199.5	198.4	218.0	205.5	201.6	188.5	170.2
Department of Energy	2,835.4	2,957.3	2,885.7	2,848.9	2,919.3	3,127.2	3,628.8	3,388.4	3,403.9	3,222.3	3,588.2
Advanced Research Projects Agency—Energy	na	na	na	na	0.0	0.0	205.1	127.8	56.4	87.4	75.0
Bonneville Power Administration	12.0	8.9	9.8	8.6	11.1	6.4	3.9	1.3	0.7	5.4	2.5
Civilian Radioactive Waste Management	78.9	53.5	52.9	10.5	1.4	0.1	0.0	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	NA	66.5	93.4	57.3	27.3	61.7	66.1	55.3	57.7	55.1	59.6
Energy Efficiency and Renewable Energy	244.3	249.1	210.2	342.3	416.8	651.1	891.0	465.9	434.5	467.4	467.4
Environmental Management	12.8	14.9	10.2	2.4	2.3	10.9	30.8	22.3	14.7	5.1	8.0
Fossil Energy	221.6	206.7	210.8	211.0	179.0	241.8	213.3	180.7	161.4	162.4	102.4
National Nuclear Security Administration	2,193.6	2,274.5	2,210.9	2,145.8	2,151.3	2,039.3	1,917.7	2,208.3	2,293.2	2,333.4	2,611.0
Defense Programs	2,105.8	2,193.4	2,076.2	2,028.4	1,967.1	1,795.8	1,710.3	1,974.7	2,143.4	2,112.5	2,390.1
Nonproliferation and Verification	87.8	81.0	134.7	117.4	184.2	243.5	207.4	233.6	149.8	220.9	220.9

TABLE 124. Federal obligations for applied research, by agency: FYs 2004–14
(Dollars in millions)

Agency	2004	2005	2006	2007	2008	2009	2010	2011	2012	Preliminary	
										2013	2014
Department of State	3.0	3.3	4.2	3.8	3.7	3.7	2.9	3.3	2.2	1.5	1.5
Department of Transportation	340.3	254.6	533.6	587.0	634.1	586.7	641.2	632.6	690.0	748.3	749.4
Federal Aviation Administration	118.3	128.3	136.6	128.2	140.4	162.9	236.6	210.1	216.4	212.9	211.5
Federal Highway Administration	181.9	51.7	286.8	345.8	347.3	316.8	291.2	295.4	340.5	381.8	385.5
Federal Motor Carrier Safety Administration	6.4	6.6	5.3	9.4	8.4	6.9	6.6	5.7	6.9	6.5	7.9
Federal Railroad Administration	24.3	25.7	40.8	31.5	37.5	8.3	9.7	20.3	27.5	33.6	44.3
Federal Transit Administration	*	0.3	3.6	2.8	3.6	4.2	20.0	23.3	24.8	31.2	19.6
National Highway Traffic Safety Administration	6.7	40.1	57.5	64.1	83.3	82.0	70.8	71.0	68.7	71.9	73.4
Pipeline and Hazardous Materials Safety Administration	2.6	1.8	2.2	3.6	2.8	2.1	2.1	3.4	2.0	5.7	2.8
Research and Innovative Technology Administration	0.0	0.1	0.7	1.7	10.7	3.7	4.2	3.4	3.3	4.7	4.4
Department of the Treasury	61.2	63.1	60.4	58.9	64.4	66.8	68.3	76.7	75.2	74.6	77.3
Bureau of Engraving and Printing	3.9	5.4	5.1	4.1	4.8	1.8	0.9	4.9	4.6	8.4	8.6
Internal Revenue Service	57.3	57.8	55.4	54.8	59.6	64.9	66.3	70.8	69.0	64.8	64.8
U.S. Mint	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.0	1.6	1.3	3.8
Department of Veterans Affairs	209.2	205.8	210.8	228.4	245.6	274.0	297.0	324.9	325.9	314.1	318.2
Other agencies											
Agency for International Development	241.3	198.3	197.0	232.9	121.0	159.6	83.5	119.2	77.4	79.0	80.6
Appalachian Regional Commission	0.6	0.8	1.0	0.8	0.8	1.0	0.6	0.4	0.6	0.8	0.8
Broadcasting Board of Governors	1.0	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Commission	NA	NA	NA	NA	NA	NA	NA	NA	2.0	1.1	2.0
Environmental Protection Agency	422.9	416.2	400.5	391.5	371.8	384.4	397.9	403.4	403.7	448.7	469.4
Federal Communications Commission	4.1	5.1	7.1	6.4	6.7	6.9	3.7	3.7	4.0	4.8	5.9
Federal Trade Commission	1.6	1.2	1.6	1.5	2.6	2.4	3.0	2.7	2.9	2.1	2.1
Library of Congress	14.4	1.6	3.3	0.5	0.5	0.5	0.7	0.9	0.5	0.7	0.7
National Aeronautics and Space Administration	2,355.9	1,489.4	1,468.6	818.8	531.2	681.8	693.6	717.8	2,494.3	2,453.0	2,108.3
National Archives and Records Administration	0.1	0.1	0.1	0.1	4.6	4.6	4.6	3.1	2.0	1.1	1.1

TABLE 124. Federal obligations for applied research, by agency: FYs 2004–14

(Dollars in millions)

Agency	2004	2005	2006	2007	2008	2009	2010	2011	2012	Preliminary	
										2013	2014
National Science Foundation	265.6	332.2	286.6	351.7	419.7	471.3	348.5	455.0	517.4	511.0	608.4
Nuclear Regulatory Commission	72.1	70.1	71.4	76.5	61.0	61.2	85.4	83.8	82.6	57.5	79.4
Social Security Administration	30.4	35.1	67.8	68.2	54.1	67.9	63.0	53.0	64.9	57.9	70.1

* = amount greater than \$0 but less than \$50,000. na = not applicable; agency or subagency did not exist as such or in that organization in that year. NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

^a The Cooperative State Research, Education, and Extension Service changed its name to the National Institute of Food and Agriculture in FY 2008.

^b In FY 2011, excepting the Defense Advanced Research Projects Agency, the Office of the Secretary of Defense began reporting for the agencies that had been presented under Department of Defense (DOD) agencies and activities and Operational Test and Evaluation, Director. These are now reported under Other defense agencies.

^c As of the FYs 2011–13 survey, Other defense agencies displays aggregated data of DOD subagencies engaged in classified R&D projects.

^d The Bureau of Ocean Energy Management, Regulation and Enforcement was split into the Bureau of Ocean Energy Management and the Bureau of Safety and Environmental Enforcement in FY 2012.

^e The Minerals Management Service changed its name to the Bureau of Ocean Energy Management, Regulation and Enforcement in FY 2010.

NOTES: Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. The Transportation Security Laboratory (TSL) initially existed under the Transportation Security Administration (TSA) of the Department of Homeland Security (DHS), but in the 2005 DHS reorganization, TSL was moved from TSA to the Science and Technology Directorate. In FY 2006, the National Aeronautics and Space Administration (NASA) reclassified as operational costs funding for Space Operations, the Hubble Space Telescope, the Stratospheric Observatory for Infrared Astronomy, and the James Webb Space Telescope that previously had been reported as R&D plant. Between FY 2006 and FY 2007, NASA's R&D obligations decreased for two reasons: (1) in FY 2007, NASA excluded projects that were operational in nature that were not excluded in FY 2006, which accounts for \$850 million of the decrease; and (2) there was an overall decrease in obligations between FY 2006 and FY 2007, which accounts for the remainder of the decrease. In FY 2010, NASA resumed reporting International Space Station obligations as R&D plant. In FY 2012, NASA began reporting International Space Station obligations as research rather than R&D plant. See appendix C for additional notes associated with the agencies listed in this table. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.